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The *FEMP MONTHLY UPDATE* is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the *UPDATE* is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The *FEMP MONTHLY UPDATE* is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), October 2002.

EIA reports continued high average oil prices in September (West Texas Intermediate \$29.75 per barrel) due to the Organisation for Economic Cooperation and Development's decreasing commercial oil inventories, uncertainties about Iraq, and the Organization of Petroleum Exporting Countries' decision to keep quotas level.

High oil prices combined with increasing demand is likely to result in higher residential heating costs compared to last winter's. EIA's base-case projections predict that households will pay 19 percent more for natural gas, 45 percent more for heating oil, and 22 percent more for propane this winter.

Increasing crude oil prices may also test the stability gasoline rates have enjoyed since early spring, as pump prices are poised to rise.

The natural gas spot price spiked in September, due in part to a hurricane in the Gulf Coast region, which temporarily shut down production. When EIA published its October report, prices were more than \$3.00 per million btu.

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EVENTS AT DOE

During the third week of October, a series of three annual awards programs were conducted in Washington, DC, and included the participation of DOE Secretary Spencer Abraham and Assistant Secretary David Garman. Separate ceremonies were held for Department of Energy projects, for individuals and organizations representing various Federal agencies from throughout the U.S. and overseas, and the Presidential awards. To view a list and description of awardees, visit www.eren.doe.gov/femp/prodtech/awards/awards-prog.html#lou.

The Department of Energy celebrated its 25th anniversary this month. Secretary of Energy Spencer Abraham was joined by four former

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress has adjourned until after the November 5 elections. The House and Senate are expected to return on or about November 12 for up to one week before adjourning for the year.

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STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

 Refer to <u>www.eren.doe.gov/femp/resources/initiat</u> <u>ives.html</u> – Legislative Databases

No new bills of interest to report

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STATUS OF PENDING APPROPRIATION BILLS OF INTEREST TO FEMP

- Refer to <u>www.eren.doe.gov/femp/resources/initiat</u> ives.html – Legislative Databases
- ➤ See Attachment A FY 2003 Appropriations Chart

FY 2003 Appropriations Two of the 13 annual appropriations bills cleared Congress and were signed by the President on October 23.

- Conference Report H.R. 107-732 Defense Appropriations (P.L. 107-248)
- Conference Report H.R. 107-731 Military Construction Appropriations (P.L. 107-249)

(For details on the two bills, refer to the FEMP Legislative Appropriations Database at www.eren.doe.gov/femp/resources/initiatives.ht ml.)

Secretaries of Energy at the agency's Forrestal Building. Secretary Abraham said, "During the next 25 years and beyond, the Department of Energy will be one of the most vital and exciting agencies in the Federal government. I am genuinely thrilled for the future of this department." (Source: DOE Press Release, October 8, 2002)

Secretary Abraham hosted a Renewable Energy Roundtable in Sioux Falls, South Dakota, with Congressman John Thune (R/SD) on October 18. Topics discussed included the Bush Administration's energy policy and the newest renewable energy technologies. In particular, Secretary Abraham pointed out the \$5.4 million grant to a South Dakota company to develop a next-generation biorefinery. (Source: DOE Press Release, October 18, 2002)

DOE is partnering with the American Institute of Architects to continue their joint work on sustainable buildings, improving indoor environments, encouraging clean energy production, and reducing the impact of construction on the environment. (Source: DOE Press Release, October 4, 2002)

DOE awarded \$1.5 million in grants for the installation of solar roofs across the nation under the Mullion Solar Roofs Initiative. Secretary Abraham said, "The Million Solar Roof Initiative will prove that investment in renewable energy and energy efficient technologies can reduce our dependence on foreign oil, conserve natural resources, and create markets for American products around the world." (Source: Environmental News Service, October 2, 2002)

NEW ON THE FEMP WEBSITE

Go to

www.eren.doe.gov/femp/resources/training/fempt raining.html to order or view the new *FEMP Training Catalog* for Fiscal Year 2003.

Visit

www.eren.doe.gov/femp/prodtech/awards/awards prog.html for more details about the annual FEMP Awards Ceremony and award recipients.

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FY 2002 Federal Deficit The Congressional Budget Office (CBO) reported in early October that the FY 2002 Federal deficit was expected to reach at least \$157 billion, but will probably be higher – the first deficit since 1997. On October 24, the Administration revealed that the deficit was \$159 billion. The deficit is a direct result of "the largest percentage drop in revenues in over 50 years and the largest percentage growth in spending on programs and activities in 20 years," according to the CBO. Major contributing factors include:

- Outlays for Defense, unemployment, Medicaid, and various discretionary and non-discretionary programs totaling \$148 million
- Reductions in collection of individual income tax and the \$30 billion tax cut

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NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- Refer to
 www.eren.doe.gov/femp/resources/initiatives.html Legislative Databases
- ➤ See <u>Attachment B</u> New Legislation of Interest to FEMP

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HEARINGS OF INTEREST OF FEMP

➤ See <u>Attachment C</u> – Hearings of Interest to FEMP

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FEDERAL AGENCY ACTIVITIES

See also:

- ➤ Attachment D Privatization Projects
- Attachment E Federal Building Projects

DID YOU KNOW?

New York City's largest commercial rooftop solar array was commissioned on the Greenpoint Manufacturing and Design Center buildings in Brooklyn. The 115-kW, 11,500-square-foot system will become operational by the end of the year. (Source: Environmental News Service, October 7, 2002)

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ADMINISTRATION

Government-Wide

Proposed Rule On October 16, a **proposed** rule to amend the Federal Acquisition Regulation for Standby Power Devices was **published in the** *Federal Register*. In brief, the purpose of the proposed rule is to:

Expand the definition of Standby Power devices to:

- Include an external or internal power supply, and
- Use not more than one watt of electricity in their standby power consuming mode or meet recommended low standby levels as designated by the Department of Energy's Office of Federal Energy Management Programs.

> Revise requirements for acquiring:

- Products containing recovered materials,
- Environmentally preferable products and services,
- Energy-efficient products and services,
- Products and services that utilize renewable energy technologies, and
- Products containing energy-efficient standby power devices.

> Direct Federal agencies to:

- Purchase EnergyStarTM or other energy-efficient items listed on FEMP's Product Energy Efficiency Recommendations product list;
- Purchase items that meet FEMP's standby power wattage recommendations or document reason for not purchasing such items;
- Purchase items with no more than one watt in their standby power consuming mode; if this is impracticable, purchase items with the lowest standby wattage practicable if FEMP lists a product without a corresponding wattage recommendation; and
- Comply with specification guidance for contracting for services that include energy-using
 products, including contracts for design, construction, renovation, or maintenance of a public
 building.

Direct Federal Contracting Officers to:

Place in contract file a written justification for the purchase of EPA-designated products above
the micro-purchase threshold that do not meet applicable minimum recovered-material content
recommended by EPA guidelines.

For more information, contact Laura Smith at 202-208-7279 and refer to FAR Case 2001-028.

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DEPARTMENT OF ENERGY

The Green Power Leadership Awards program, sponsored by the Environmental Protection Agency and the Department of Energy, honored Green Mountain Energy Company and the State of New Jersey for accomplishments in marketing and contracting green power. Green Mountain

received the Green Power Beacon Award for innovative marketing techniques in the Texas electric market in 2001. New Jersey received a Leadership Award for contracting for renewable energy to service 196 government-run facilities. (Source: *PRNewswire*, October 1, 2002)

DEPARTMENT OF DEFENSE

In early October, Paul Wolfowitz, the Deputy Secretary of the Department of Defense, announced plans to extend the deadline for the privatization of utilities at military installations nationwide from 2003 to 2010. In his October 9 memo, the Deputy Secretary said, "To achieve innovative results, privatization must proceed in a deliberate manner that promotes industry interest and competition to the maximum extent possible." Delay in accomplishing the original goal of privatizing 1,600 systems by 2003 is a result of the impact of electricity utility deregulation as well as poorly prepared privatization solicitations. As of the first quarter of FY 2002, DOD reports the following number of utility privatization projects completed by December 23, 1998, as well as future privatization projects:

- ➤ Army 31 completed projects and 320 available to privatize
- ➤ Navy 9 completed projects and 730 available to privatize
- ➤ Air Force 82 completed projects and 513 available to privatize
- ➤ Defense Logistics Agency 0 completed projects and 17 available to privatize

For additional information, consult the DOD privatization web site at www.acq.osd.mil/ie/utilities/status/status.htm.

ENVIRONMENTAL PROTECTION AGENCY

EPA Administrator Christine Whitman honored eight public and private sector organizations that have purchased significant quantities of green power. The top two awards presented at the National Green Power Marketing Conference went to Kinko's and the City of Chicago. Administrator Whitman said, "These efforts to support clean, renewable energy show that environmental stewardship can also mean good business. This Administration believes that through partnerships with industry – such as the Green Power Partnership – we can harness the creativity and innovation of industry – and put it to work for the environment." (Source: *Environmental News Service*, October 1, 2002)

FEDERAL ENERGY REGULATORY COMMISSION

The Federal Energy Regulatory Commission (FERC) has delayed until late November a deadline for public comment on guidelines that would facilitate the connection of distributed generation sources to transmission grids. The delay, which was requested by the National Association of Regulatory Utility Commissioners and distributed generation advocates, could threaten the target date for the final rulemaking, currently set for March 2003. According to the regulatory commission, the ruling could "further customer choice of technologies and fuels, allow more customer options in response to high generator prices, and facilitate development of non-polluting alternatives such as photovoltaics and small wind resources." The issue essentially causing the delay is a provision that creates separate transmission guidelines for small power sources and large power plants to encourage development of small generation. State legislators believe the provision will impinge on local authority. Randal Swisher of the American Wind Energy Association supported the provision; he stated "Quite a number of utilities have not been interested in interconnecting with small wind turbines, for instance, and have used the interconnection process as a barrier. What FERC is trying to do is ensure consistent standards rather than having a whole variety of approaches." (Source: *Greenwire*, October 24, 2002)

For the second time, FERC has extended the comment period on the Standard Market Design (SMD), a set of rules and procedures to establish open access transmission service and electricity market

design. Respondents have until January 10, 2003, to present feedback on the proposed rulemaking. Some critics suggest the reason behind the delay is that FERC is allowing more time for input; others say that FERC is responding to Congressional criticism of the SMD. The SMD Outreach Team claims that FERC is soliciting comments from commissioners "concerned about the organization of the Regional State Advisory Committees... [the] exact nature of the organization and what its responsibilities would include, and whether that conflicts with existing state law or with existing regional cooperative efforts." (Sources: *Restructuring Today*, October 3, 2002; *EnergyWashington.com*, October 3, 2002)

FERC has approved certain provisions in a proposal to organize the SeTrans Regional Transmission organization (RTO). The newly formed RTO, scheduled to begin operation in 2004, will include Texas, South Carolina, Mississippi, Louisiana, Georgia, Florida, Arkansas, and Alabama. An Independent System Administrator will manage the RTO and market monitoring will be conducted by an independent market monitor. The system will run on a coordinated day-ahead and real-time energy market. To read more about the proposed RTO, see www.ferc.gov.

FERC has approved provisions for establishing the WestConnect RTO, which will include Arizona, Colorado, New Mexico, and Utah. For more information, see www.ferc.gov.

PacifiCorp and nine other utilities recently won initial authority from FERC to build a regional transmission organization in the West. FERC declined to give full approval to the RTO West project, claiming that regulators need more information on certain operating aspects, including a detailed system rate schedule and particulars on how it will manage congestion. (Source: *Salt Lake Tribune*, October 17, 2002)

ATLANTA REGION

► General Energy Conservation/Building Construction/Retrofit Projects

Tyndall Air Force Base in Florida plans to conduct a market survey to identify suppliers of Direct Digital Control equipment for HVAC systems for installation at the base. Selected hardware and software equipment must be compatible and interoperable with the existing system and future upgrades. Contact Sonya White at 251-441-5582 for additional information on Solicitation Number MICH01-02-0002.

The Food and Drug Administration plans to purchase natural gas for Reliant Energy Arkla (local distribution company) and Reliant Energy Gas Transmission (interstate pipeline) for the agency's **Jefferson Laboratories in Jefferson, Arkansas.** For additional information, contact Vicky Culp at 870-543-7459 and refer to Solicitation Number 222-03-2002.

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

DENVER REGION

Utility/DSM Activities

The Army has announced plans to award a sole -source contract to conduct a feasibility study for self-generation of electricity at five substations on the White Sands Missile Range in New Mexico. M&E Engineering is the selected contractor. For additional information on Solicitation Number DABJ47-0008-5401, contact Michael Derr at 505-678-2827.

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

Utility/DSM Activities

The Naval Air Warfare Center Weapons Division in China Lake, California, plans to conduct an assessment of the potential for electricity-grade geothermal energy at 12 military sites located in the West. For additional information, contact Sue Casey at 760-939-4115 and refer to Solicitation Number N68936-02-R-0236.

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MULTIPLE REGIONS

The General Services Administration is seeking a supplier of natural gas for various Federal facilities. The contract will require the transportation and delivery of natural gas for a Local Distribution Company pipeline. For further information on Solicitation Number GS-00P-03-BSC-0210, contact Linda Collins at 202-501-4267.

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STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

General State Activities

Northeast Energy Efficiency Partnerships, Inc., has released a report contending that the State of Massachusetts could save \$2.6 billion through retail energy savings if the state enacted minimum efficiency standards for 15 commercial and residential products such as central air conditioners, heat pumps, ceiling fans, consumer electronics, furnace fans, torchiere lamps, beverage vending

machines, building voltage transformers, coin-operated clothes washers, exit signs, ice makers, packaged air conditioners and heat pumps, refrigerators, freezers, traffic signals, and unit and duct heaters. In addition to the cost savings incurred by the efficiency standards, the "Energy Efficiency Standards: A Low-Cost, High Leverage Policy for Northeast States" report found that by 2020, the standards would also help to conserve nearly 41 trillion BTUs of energy, reduce the projected growth in peak energy demand by 1,123 megawatts, reduce carbon emissions by 545,000 metric tons, and reduce emissions of nitrogen oxides by 614 metric tons. To read the full report, visit www.neep.org/Standards.

The Massachusetts Renewable Energy Trust will provide more than \$2.6 million in grants to install solar photovoltaic panels on homes and businesses in towns across the state. The grant is part of a larger Solar-to-Market Initiative that helps support manufacturers, R&D companies, and other solar-related groups throughout the state. The six organizations that received grants are the Cape & Islands Self Reliance Corporation, Center for Ecological Technology, Conservation Services Group, Cooperative Development Institute, Massachusetts Energy Consumers Alliance, and the Massachusetts Institute of Technology. The purpose of the Solar-to-Market Initiative is to create public education and training programs for solar installers and utilities, create solar metering and evaluation programs, and reduce transaction costs within the PV industry. (Source: Massachusetts Technology Collaborative website, www.mtpc.org/index.asp

► Status of Utility-Related Activities

The Massachusetts Department of Telecommunications and Energy (DTE) recently endorsed a request for a 9.2 percent reduction in default electric service rates for customers of Massachusetts Electric Company. Because wholesale electricity prices have dropped, utilities may pass along savings to their customers, effective November 1. (Sources: *Business Wire*, October 8, 2002; *Massachusetts Department of Telecommunication and Energy Website*, www.state.ma.us/doer/rps/index.htm)

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CHICAGO REGION

General State Activities

Public school institutions like Ohio University are spreading the word about energy conservation. In a survey conducted by the university this past May, 98 percent of students felt that the university should employ energy conservation methods, and 88 percent felt that they should take a personal initiative to conserve energy. To spur interest in national Energy Month, the university launched Energy Week, which ran from October 7-9. The celebration organized activities ranging from displaying hybrid, electric, ethanol, bio-diesel, and solar cars to exhibiting dorm rooms with EnergyStarTM products. (Source: *Ohio University Press Release*, www.ohiou.edu)

Status of Utility-Related Activities

Utilities in the State of Missouri have formed the Missouri Energy Development Association, an organization tasked with promoting electricity infras tructure in the state. The new organization plans to educate the public on energy issues and discuss energy policy with state officials. The association will be fully operational by the first quarter of 2003 and be headquartered in Jefferson City. Members include AmerenUE, Aquila, Atmos Energy, Empire District Electric Company, Kansas City Power and Light Company, Laclede Gas Company, and Missouri Gas Energy. The state currently maintains a joint interim committee to assess the state regulatory process and energy infrastructure. Johnny Richardson, a spokesman for the association, said that "With the joint committee report due in 2004, legislators and regulators need a source that will provide an industry perspective on a range of issues." (Source: *PR Newswire*, October 7, 2002)

DENVER REGION

Status of Utility-Related Activities

The New Mexico Public Regulation Commission (PRC) revised its renewable portfolio standard to require that utilities incorporate four percent renewable power into their generation mix by January 2004, seven percent by January 2007, and ten percent by January 2010. Under the revised plan, rural electric cooperatives are no longer required to comply with the renewable portfolio standard. The PRC has scheduled a public comment hearing for November 14 in Santa Fe, New Mexico. (Source: *Albuquerque Journal*, October 8, 2002)

On October 10, PNM submitted a proposal to the New Mexico Public Regulation Commission that would lower rates for utility customers by four percent beginning in September of 2003 and further reduce rates by 2.5 percent in 2005, at which point the rates would be frozen until 2008. The agreement has yet to be approved by the commission. (Source: *Albuquerque Journal*, October 11, 2002)

Because of the overabundance of electric supply in the State of Texas, two utilities have announced plans to retire about 7,000 MW of power. The reduction in supply will help reduce costs for energy suppliers American Electric Power and CenterPoint Energy. Tom Noel of the Electric Reliability Council of Texas (ERCOT) said, "We certainly don't think this will have any effect on the grid. The fact that we already know that we're not going to need the plants between now and the end of the year suggests that they're not critical to the grid at all." Regulators claim that the excess power is the result of introducing electric competition in the state on January 1 of this year. The state's restructuring plan prohibits excess power from being shared with nearby grids. (Source: *Reuters*, October 4, 2002)

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PHILADELPHIA REGION

► General State Activities

The New Jersey Board of Public Utilities has awarded a contract for the installation of a microturbine at the Harvey Cedars Bible Conference Complex on Long Beach Island. The Department of Energy is funding the project to encourage energy efficiency, reduce the environmental impact of energy use, and promote innovative technologies. Electrotek Concepts was awarded the contract. (Source: *Electrical Construction & Maintenance*, October 16, 2002)

Plans to deregulate electricity in the State of West Virginia have been put on hold indefinitely given a number of economic, political, and other concerns. American Electric Power spokeswoman Jeri Matheney said the suspension is due to California's struggle with deregulation, the Enron scandal, and the economic downturn. Sarah Roberts, a spokeswoman for the West Virginia Public Service Commission, stated that a change in administration has also slowed the process. Ms. Matheney noted "This [deregulation] is not something AEP is going to push. In fact, I don't see anyone pushing for it." While West Virginia was moving forward in 1998 with a plan approved by the legislature to institute deregulation, "in 2000, things changed. California became an issue, and the climate had changed. Then in 2001, it just became a non-issue, not just in West Virginia, but nationally." Ms. Matheney does not expect any discussion on deregulation in the 2003 West Virginia legislative session. (Source: *State Journal* (Charleston, WV), October 7, 2002)

At the conclusion of a conference entitled "Energy Security and Stability: The Pennsylvania Perspective" sponsored by the Pennsylvania Department of Environmental Protection (DEP) and Johnson Controls, Governor Mark Schweiker (R) awarded \$1.7 million in grants for energy efficiency projects funded by the Pennsylvania Environmental and Energy Challenge (PEEC). The PEEC funds proposals that endorse new technology in energy efficiency and pollution prevention

activities. The winning projects collected matching funds totaling \$9.2 million. Conference panelists discussed such issues as energy security provided by energy efficiency and renewable resources, the security benefits of distributed generation, and energy security and community preparedness. (Source: *PRNewswire*, October 9, 2002)

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SEATTLE REGION

General State Activities

A new executive order signed by Washington Governor Gary Locke (D) will require state agencies to incorporate "environmental sustainability" in long-term planning. By September 1, 2003, all agencies must devise a plan to purchase recycled goods, reduce waste, utilize clean energy to power vehicles and buildings, and conserve energy and water. (Source: *Seattle Times*, September 19, 2002)

California Governor Gray Davis (D) signed into law Senate Bill 1078, which mandates that by 2017, 20 percent of the state's electricity will come from renewable sources. According to a Governor Davis representative, Steven Maviglio, the one-percent-per-year incremental increase in renewable energy use will help to guarantee "supply, and ... help the local economy because instead of our dollars going to Texas, they stay here in California." Electric companies already meeting the mandate are required to further increase their renewable energy use, and those companies that do not fulfill the mandate in any year must compensate in subsequent years for that shortfall. The state will provide subsidies to companies (through the State Mandate Claims Fund) to cover the cost of renewable power, should it exceed the market price. The California Energy Commission will institute an accounting system to ensure compliance. Matt Swagler of CalPIRG said that the new bill will eliminate the emissions of 3.7 million cars and essentially deem "California as a new Silicon Valley of Renewable Energy." (Source: UWIRE, October 4, 2002)

The State of California announced plans to install distributed energy generation systems in state-owned facilities. The California Department of General Services will coordinate the program, which will involve the participation of a third party energy service company. One contractor will be selected to perform the services for a period of up to 15 years. The state is interested in gas-fired, solar photovoltaic, and fuel cell generation equipment and technologies. For additional information on this initiative, contact Patrick McCoy at 916-324-3633.

The Portland City Council recently authorized funds to replace and recycle low-flow toilet models in 5,000 apartment complexes. The program will run in tandem with a \$45 rebate offer from the Portland Water Bureau for properties serving lower income households. The project has the potential to provide 30 million gallons in water savings and hundreds of thousands of dollars in water and sewer bills savings each year. A total of 187 tons of toilets will be diverted from the landfill into recycled, reusable road fill material. The program is available to Portland Metro Area Multifamily Property owners through December 30, 2002 (Source: Environmental News Service, September 25, 2002).

Status of Utility-Related Activities

The State of Arizona may implement a competitive electric market by 2003 if the legislature approves a plan recently submitted by the Arizona Corporation Commission (ACC). Reversing its stance on restructuring from the beginning of this summer, the ACC plan allows independent power producers to supply the commission with 30 percent of its summer power, increasing through 2006, when the competitive bids would total 2,900 megawatts. (Source: *Energy Info Source*, September 27, 2002)

UTILITIES AND SUPPLIER ACTIVITIES

GENERAL

The Electric Power Research Institute (EPRI) has created the Electricity Innovation Institute (E21), an organization tasked with finding ways to more efficiently install and integrate distributed resource technologies into the electric grid. Working with public and private stakeholders, E21 established two program areas: the DR Interconnection and Market Integration Initiative and the Environmental Benefits/Impacts Initiative. The groups will draw upon the expertise of representatives from equipment manufacturers, regulatory agencies, state and Federal Government agencies, and environmental organizations. For more information on the partnership, please visit www.e2i.org.

Green Mountain Energy Company and Hometown Connections International, LLC, have created a program to package renewable energy service to public power utilities as well as assist in the sales and marketing of the energy. The program will help utilities develop customized renewable pricing programs to offer their customers, and will "give residential customers the choice to purchase 100 percent renewable electricity," according to Green Mountain President and CEO Paul Thomas. Utilities can also seek advice on how to effectively price green power and how to improve the enrollment process. For more information, call Hometown Connections at (970) 871-1075. (Source: *PRNewswire*, September 30, 2002)

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ATLANTA REGION

▶ Public Benefits Programs

JEA, a municipal utility serving Jacksonville, Florida, is contemplating construction of a bamboo-fueled power station that would generate four percent of its electricity by 2007. The gasification technology that would turn bamboo into a type of natural gas is "well-studied, but...not well-demonstrated" according to Evan Hughes, Manager of Biomass Energy at the Electric Power Research Institute. Biomass Industries and JEA have engaged in a contract to begin construction in the summer of 2004. (Source: *PR Newswire*, October 12, 2002)

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

Public Benefits Programs

The Southern Minnesota Municipal Power Agency (SMMPA) hopes to build and bring online two wind towers near Fairmount, Minnesota, to serve its customers by early February. The two towers could produce up to 950 kilowatts per hour, and SMMPA suggests that it might need additional wind power in the next few years. The utility has been purchasing renewable wind-generated electricity from Xcel Energy since 2000. (Source: *Post-Bulletin*, (Rochester, Minn) October 4, 2002)

Utility customers of We Energies in Wisconsin will begin receiving electric power generated by duck manure. Maple Leaf Farms in Franksville turns the manure into methane gas using a manure

digester, which produces about 200 kilowatts. Dan Harper, Corporate Manager of Governmental and Environmental Affairs for the farm, said, "I'm very proud that we've developed a way to turn our waste into renewable energy and protect the land for future generations." We Energies will use the environmentally sound resource to help achieve its renewable energy commitments, as mandated by its newly formed Renewable Energy Collaborative. The program hopes to generate at least five percent of retail sales through renewable energy resources by 2011. (Source: *PR Newswire*, October 10, 2002)

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DENVER REGION

Restructuring Activities

Xcel Energy and GE Wind have contracted to build a 162 MW wind farm near Lamar, Colorado. The wind project is particularly appealing to area residents because wind power does not require the use of water, a resource scarce in the region. John Nielsen, Executive Energy Project Director of the Land and Water Fund of the Rockies, commented that "They (fossil-fuel power plants) are consumptive users of water. That's one advantage for a wind farm: It doesn't use water." In addition to resource conservation, the project has the capacity to save customers nearly \$7 million dollars. The 15-year life of the wind contract has the potential to save four million tons in CO₂ emissions. (Source: *PR Newswire*, October 14, 2002)

Electric and natural gas distributor Aquila has requested a 21.8 percent electric rate boost that would cost customers an average of \$9 more per month. The rate increase is meant to boost revenues by \$23.4 million per year so that the utility can cover the cost of increased wholesale electric rates. If the Colorado Public Utilities Commission grants hearings on the subject, it is uncertain if an increase would be approved by next spring. (Source: *The Pueblo Chieftain* (Colorado), October 16, 2002)

Public Benefits Programs

Oklahoma Gas & Electric Company will help customers save more than \$150 million by cutting rates by \$25 million. The Oklahoma Corporation Commission (OCC) originally recommended a \$43 million rate reduction, and OG&E recommended a \$26 million rate increase. Customers could start receiving approximately \$30 off of their electric bills beginning in January. Oklahoma Attorney General Drew Edmonson warned that reduced rates could result in layoffs and less dependable service. (Source: *PR Newswire*, October 12, 2002)

Oklahoma Natural Gas customers had until October 25 to join a fixed rate gas program that will help lower gas bills over the winter. Hoping to curb the \$10 per dekatherm rates of the 2000-01 winter, participants in the program will receive a fixed price of \$4.35 per dekatherm for 12 months starting with their November bill. As of early October, 6,270 customers had already enrolled in the plan. The Natural Gas Supply Association predicts that winter demand will be seven percent higher than last winter. The Department of Energy predicts wellhead prices to be around \$3.20 per dekatherm, not including transportation and distribution costs. (Source: *Tulsa World*, (Oklahoma) October 4, 2002)

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PHILADELPHIA REGION

No news of interest to FEMP.

General Activities

Hawaiian Electric Company (HECO), the Hawaii Natural Energy Institute, the Electricity Innovation Institute, and the Electric Power Research Institute have partnered on energy-related research projects including distributed generation. Michael May, President and CEO of HECO, said "With this partnership we have a critical mass of resources and experiences that can significantly speed up the commercialization of new energy technologies." Each organization will assist in the development of proposals for demonstration projects and research and development. (Source: *Electricity Innovation Institute website*, www.e2i.org/news/in the news.html)

Restructuring Activities

AstroPower, Inc., and the California Energy Commission have partnered to develop a solar photovoltaic system that will provide power to residential customers of the Sacramento Municipal Utility District (SMUD). The \$3.2 million project, scheduled to be in service by the end of 2004, "is intended to bring the benefits of solar power to mainstream consumers throughout California," according to Cliff Murley of SMUD. The California Energy Commission has provided funds through the Public Interest Energy Research program. (Source: *Refocus Weekly*, October 9, 2002)

► Public Benefits Programs

Sure Power Corporation and The Climate Trust have collaborated to provide affordable onsite power generation systems to clients. The Climate Trust of Portland, Oregon, has pledged \$1.2 million to help reduce the cost of the systems, which utilize fuel cells, gas reciprocating engines, and turbines with advanced environmental controls. The generation systems are designed to power many types of processes in government and military facilities, utilities, and research and development laboratories. Chris Robertson of energy consulting firm Chris Robertson and Associates said, "This deal represents an innovative way for technology-dependent companies to easily and more affordably adopt energy solutions that positively impact the environment, solve critical energy reliability and cost issues, and improve their bottom lines." (Source: *E-Wire*, September 30, 2002)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

Ford Motor Company and General Motor Company have announced a partnership to develop a fuel-efficient automatic transmission to be available later this decade. The six-speed transmission will be used in large front-wheel-drive cars or sport-utility vehicles. With the new transmission, fuel efficiency would be four percent to eight percent better than current four-speed transmissions. (Source: *Greenwire*, October 11, 2002).

The American Public Transportation Association (APTA) re ports the continuation of a 10-year trend in the increase in the number of natural gas buses operating in the United States. APTA's analysis reveals that one out of every 10 buses currently in operation use natural gas. In addition, of current orders for new buses, one out of five are for models capable of operating on natural gas. The association survey collected data from 241 transit agencies from across the U.S. representing 70 percent of buses in operation in January 2002. (Source: *Natural Gas Fuels*, September 2002)

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

New Products and Services

New York motorists who buy hybrid vehicles may now be eligible for a \$2,000 personal income tax or franchise tax credit per vehicle. *A.B.* 11749, passed on September 24, revised an original law that required that the amount of the credit be based on the type of alternative fuel technology used. Now, all types of hybrid vehicle technology are covered under the law. (Source: *BNA Daily Tax Report*, October 11, 2002)

Infrastructure Activities

The Rhode Island Public Transit Authority (RIPTA) will upgrade its bus fleet to reduce air pollution emission by 90 percent and pay a \$75,000 fine for violations recognized by the Environmental Protection Agency of Federal water, air and hazardous waste laws at its bus maintenance and repair facility in Providence, Rhode Island. RIPTA will replace all diesel fuel with ultra-low sulfur fuel, thus reducing soot emissions by about 20 percent. RIPTA has also agreed to install diesel particulate filters by July 2006. The Department of Transportation will pay 80 percent of the \$1.2 million cost of the retrofit process. (Source: *Environmental News Service*, October 11, 2002)

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CHICAGO REGION

► AFV Fleet Acquisitions

Ohio Savings Bank will purchase 24 hybrid-electric vehicles in the next two years in order to save \$1,000 per year, per vehicle, on fuel costs. The objective of the company is to help reduce the nation's need for foreign oil by extending the existing provision of minimum fuel requirements for company vehicles to the hybrid-electric acquisition. (Source: *Environmental News Service*, October 15, 2002)

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DENVER REGION

New Products and Services

The eighth public E85 fuel pump has opened in Pueblo, Colorado. The pump, located at a Philips 66 station, was opened by Bold Petroleum with support from the Colorado Corn Growers Association and Ford Motor Company. The E85 fuel is being priced the same as the 87 octane regular unleaded gasoline. (Source: E85 Fuel press release, October 11, 2002)

PHILADELPHIA REGION

► AFV Fleet Acquisitions

The Southeastern Pennsylvania Transportation Authority (SEPTA) is testing two General Motors hybrid-electric buses with the rest of its fleet. The buses are built on New Flyer platforms and powered by Cummins ISL engines and Transmission EPSystem drive trains from General Motors. The parallel hybrid system uses the electric drive to assist the conventional engine. The EPSystem-powered buses deliver up to 50 percent better acceleration than a standard diesel powertrain. (Source: *CALSTART News Notes*, October 3, 2002)

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SEATTLE REGION

► Infrastructure Activities

The newly formed California Natural Gas Vehicle Partnership, consisting of public and private air quality, transportation, and energy officials, announced three-to-ten-year targets for increasing the numbers of natural gas vehicles in use from 19,000 to 619,000. Partnership plans for the next ten years include both light- and heavy-duty vehicle deployment, with specific targets of three percent or 600,000 of all vehicles on the road being natural gas vehicles. (Source: *PR Newswire*, October 8, 2002)

New Products and Services

The Metropolitan Transit Development Board in San Diego, California, has selected the Cummins Westport C Gas Plus engine to upgrade the city's fleet of 35- to 40-feet-long buses. The low-emission, 8.3 liter natural gas engine is found in 117 buses that will either replace older diesels or will augment the 350-bus fleet. The new buses will go into service with the San Diego Transit Corporation in 2003. (Source: *CALSTART News Notes*, October 8, 2002)

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MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

Refer to Attachment G– Calendar of Upcoming Events.

ATLANTA REGION

The Association of Energy Engineers is holding the Business Energy Solutions Conference and Exposition on November 20-21 in Orlando, Florida. Topics include end user strategies and success stories, energy management, HVAC, lighting, distributed generation, and sustainability. Go to www.energyevent.com for more information.

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BOSTON REGION

No new events of interest to FEMP.

CHICAGO REGION

The National Wind Coordinating Committee is sponsoring a Workshop on Renewable Energy Credits and Their Uses in Energy Markets and Emission Reduction Training on November 7-8 in Chicago. Topics will include Basic Overview, Verification and Tracking, Trading Systems, and Unique Challenges for Wind. For more information contact Detra Stoddard at dstoddard@resolv.org or 202-965-6218.

Secretary Abraham will be hosting the Global Forum on Personal Transportation on November 12-13 in Dearborn, Michigan. Attendees will include 75-100 officials from domestic and international public, private, and academic sectors. The focus will be on fuel cell vehicles, future fuel options, and improving internal combustion engines. (Source: DOE Press Release, October 23, 2002)

Green Energy Ohio is sponsoring the Ohio Wind Power Conference on November 18-19 in Plain City, Ohio. The focus will be on small-scale wind power applications. For more information, contact Christina Panoska at Christina@greenenergyohio.org or call 866-GREENOH.

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DENVER REGION

The American Public Power Association and Western Area Power Association will co-host a Customer Connections Workshop for public power utilities in Colorado Springs, Colorado, from November 4-6, 2002. The workshop will present innovative ways to approach the changing external market in the areas of marketing, energy services, and customer services. For more information, visit www.appanet.org.

The Solar Electric Power Association is sponsoring the Seventh Annual Photovoltaic Experience in Austin, Texas, on November 13-15. Topics include business models for solar electricity, integration into new buildings, and distributed energy resources. For more information, call 202-857-0898 or email solarelectricpower@ttcorp.com.

The Association of Energy Engineers is sponsoring a seminar, Energy Auditing 101: Identifying Cost Saving Opportunities in Plants and Buildings, in New Orleans, Louisiana, on December 12-13. The seminar will provide strategies to identify methods of reducing energy consumption and utilizing technologies for accomplishing cost savings. For more information visit www.aeecenter.org/seminars/

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PHILADELPHIA REGION

The Center for Business Intelligence is hosting a conference entitled Industry Responses to the NOPR on Standard Market Design on November 18-19 in Arlington, Virginia. W. Scott Miller III of the Federal Energy Regulatory Commission will present the commission's purpose and aims for the standard market design (SMD). The conference will include panels on topics such as establishing non-discriminatory transmission policies, long-term challenges of implementing the SMD, and relieving congestion management. Other topics include assessing whether the West is too "different" to adopt a SMD plan, and potential financial consequences of instituting the plan. For more information, see www.cbinet.com/events.

The Association of Energy Engineers is sponsoring a seminar, Keys to Energy Management, on December 5-6 in Bethesda, Maryland. The seminar will provide strategies to manage and lower energy consumption and cost. Technical topics include efficient electric motor selection, assessing variable frequency drive savings for fans and pumps, and key information on a full range of up-to-date technologies, including heat pipes, ground source heat pumps, ultraviolet humidifiers and dual-desiccant wheel systems. The information is specifically geared to help energy managers and building owners

make the right decisions in selecting appropriate and cost-effective energy conservation measures. For more information visit www.aeecenter.org/seminars.

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SEATTLE REGION

The California Alliance for Distributed Energy Resources (CADR) and United States Combined Heat and Power Association (USCHPA) will present the 4th Annual International Symposium on Distributed Energy Resources on November 10-12 in San Diego, California. "Networking DG - Connectivity and Market Access" will center on the innovations required for connectivity and market access to allow customers of distributed generation to get the products and services that they desire. In addition, speakers will discuss distributed generation case studies that are already in existence. For further information, visit www.cader.org.

Courtesy Associates is sponsoring 2002 Fuel Cell Seminar: Reliable, Clean Energy for the World in Palm Springs, California, on November 18-21. Tracks include Program Overviews, Transportation, Proton Exchange Membrane (PEM) Research and Development, and PEM Fuel Cells. For more information, call 202-973-8671.

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STUDIES, REPORTS, AND ANALYSES

ENERGY AND WATER CONSERVATION

Energy Conservation Strategies for Air Supported Structures, Minnesota State Energy Office, October 2002.

The report lists energy management devices with short payback periods to assist building managers in meeting state building codes, which require that devices have payback periods of ten years or less. The Minnesota Department of Commerce released the results of an investigation surveying the energy performance of buildings constructed during periods of "transition" in state building energy codes. Another report "Evaluating Minnesota Homes" states that homes built in 2000 used 25 percent less energy than those built in 1994. The reports can be viewed at www.commerce.state.mn.us.

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SOLAR AND RENEWABLE ENERGY

Corporate Guide to Green Power Markets, World Resources Institute, September 2002.

The publication describes the incentives and challenges involved in corporate purchasing of green power. Problems include the difficulty of measuring cost savings, the difficulty of purchasing green power due to policy inconsistencies, and the high up-front costs of green power infrastructure. The report therefore suggests that corporations investigate nontraditional procurement opportunities and partner with other firms interested in procuring green power. The report can be accessed at pubs.wri.org/index.cfm.

Powerful Choices III, Renewable Northwest Project, September 2002.

The report found that this year retail customers in the Pacific Northwest purchased three times more green power than last year. Electric utilities in the region offer a total of 23 green pricing programs, including eight introduced in the past year. The report stated that green power sales have risen to 163 million kWh, up from 47 million kWh in mid-2001. The rise in green power pricing programs has occurred because Washington and Oregon have passed laws mandating such programs. To read the report, visit www.rnp.org.

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ALTERNATIVE FUELS AND VEHICLES

Commercializing Alternative Fuels and Advanced Vehicle Technologies: The Government's Role, Environmental and Energy Study Institute (EESI), 2002.

The report is an account of a panel discussion held by EESI and the Northeast Sustainable Energy Association. The panel found that all levels of government can help overcome the economic barriers to advanced vehicle technologies and that the technical barriers are no longer significant. The report is available in its entirety at www.eesi.org.

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UTILITY-RELATED ISSUES

State Opportunities for Action: Review of Combined Heat and Power State Activities, American Council for an Energy-Efficient Economy, September 2002.

The report provides overviews of state policy and activities regarding combined heat and power (CHP) systems. ACEEE highlights the CHP activities of California, Texas, and New York as making "considerable progress on encouraging CHP." To view the report, visit www.aceee.org/chp/chp.pdf.

Energy for Maine's Future: A Call for Leadership, Maine Center for Economic Policy, the Natural Resources Council of Maine, and the Mainewatch Institute, October 2002.

The report claims that Maine is now lagging behind other states in its efforts to expand the use of renewable energy and increase energy efficiency. While the state passed legislation two years ago to reduce overall energy use by 25 percent, Maine is having difficulty quantifying the savings because it has no data on the amount of energy already used. The authors recommend that the incoming governor employ a full-time director for the Energy Resources Council (a group formed by the legislature to direct state energy policy) as well as an energy manager to monitor state energy use. (Source: *The Times Record* (Maine), October 10, 2002)

Transmission Grid Solutions Report and Competitive Wholesale Electricity Generation: A Report on the Benefits, Regulatory Uncertainty, and Remedies to Encourage Full Realization Across All Markets, Electric Advisory Board, September 2002.

The Transmission Grid Solutions and Electric Resources Capitalization Concerns Subcommittees of the Electricity Advisory Board (EAB) presented Energy Secretary Spencer Abraham with their recommendations on improving the nation's transmission infrastructure. In November 2001, DOE established the EAB to provide the agency with independent guidance and recommendations on electricity policy issues. The Transmission Grid Solutions group suggested Federal "backstop" siting authority of transmission networks, and the Electric Resource Capitalization Concerns group offered suggestions on how to increase investor confidence. Secretary Abraham said, "The reports reflect a tremendous effort by all involved. I will carefully consider the reports' recommendations, consistent with

our continuing efforts to implement the President's National Energy Policy." To view the reports, visit www.eab.energy.gov.

Report on Existing and Potential Electric System Constraints and Needs Within the ERCOT Region, Electric Reliability Council of Texas, 2002.

The report presents an overview of the status of ERCOT's transmission and distribution capabilities for electric service in the State of Texas. The report presents an overview of ERCOT and its activities, an assessment of ERCOT demand versus supply, an overview of transmission capacity and constraints, and an overview of new generation capacity. In addition to describing problems with the current transmission grid and ways to overcome those problems, the authors present their views on the future of the state's transmission grid. They support an open, coordinated transmission planning process that includes transmission upgrades to relieve constraints, fixed reliability requirements, and the interconnection of new supply (including environmentally-friendly units). To view the report, visit www.ercot.com.

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MISCELLANEOUS

Progress Implementing the President's Management Agenda, Office of Management and Budget, October 7, 2002.

The President's Management Agenda focuses on five governmentwide and nine agency-specific management goals. In this recent update on the status of meeting the President's goals, OMB reveals the results of one agency-specific goal for the Department of Defense – Privatization of Military Housing. DOE is expected to complete the privatization of 28.053 housing units by the end of 2002. In 2003, DOE plans to complete the privatization of an additional 35,600 units. To view the report, visit the OMB web site at www.whitehouse.gov/omb/budget/fy2002/mgmt.pdf.

Subject: Domestic Construction (Title not provided); McGraw-Hill Construction, October 2002

McGraw-Hill Construction recently issued an assessment of domestic commercial, residential, and public works construction projects. The company predicts a one percent overall increase in 2002 and a one percent reduction in 2003. The authors revealed that the state of the economy and unemployment are the main contributors to a stagnant commercial market and that low interest rates have contributed to a strong residential market. "As a result of the soft economy, the [commercial] real-estate recovery has been put off in the minds of everybody in the industry probably until 2004." In 2003, commercial construction is expected to increase by only two percent to \$94.2 billion; the primary contributor to the increase is apartment construction. Otherwise, commercial construction will drop by one percent in 2002. (Source: *The Wall Street Journal*, October 23, 2002).

2002 PricewaterhouseCoopers Sustainability Survey Report, PricewaterhouseCoopers, October 2002.

A survey of 140 mostly multi-national companies indicated that three-fourths of them have initiated some form of sustainability program, but almost as great a proportion had not re-examined their efforts for effectiveness. The report is available online at

www.pwcglobal.com/extweb/ncsurvres.nsf/DocID/9FF9D50E5171B38B85256C400056C1C8.

ATTACHMENT A STATUS OF FY 2003 APPROPRIATIONS BILLS

(In Billions)

HOUSE

SENATE

Jurisdiction/ FY 2003 Budget Request	302(b) Allocations/ Approved Funding Level	Bill No.	Full Cmte.	Floor	Conf.	302(b) Allocations/ Approved Funding Level	Bill No.	Full Cmte.	Floor	Conf.
Agriculture \$17.051	\$ 17.601	HR 5263	7/11	7/26		\$ 17.980	S 2801	7/25		
Commerce \$ 40.333	\$ 40.726	-	7/18			\$ 43.475	S 2778	7/18		
Defense \$355.4 P.L. 107-248 (10/2302)	\$354.7	HR 5010	6/24	6/27	10/10	\$ 355.1	S Rpt 107-213	7/18	8/1	10/16
Energy and Water Development \$25.149	\$ 26.027	HR 5431	9/05			\$ 26.300	S 27844	7/24		
Interior \$18.953	\$ 19.8	HR 5093	7/9	7/17		\$ 19.35	S. 2708	6/27		
Labor / HHS \$129.902	\$129.902	HR 5320				\$133.988	S 2766	7/18		
Military Construction \$ 10.499 P.L. 107-249 (10/23/02)	\$ 10.083	HR 5011	6/24	6/27	10/2	\$ 10.622	S 2709	6/27	7/18	10/11
Transportation \$ 19.851	\$ 19.411	-	10/1			\$ 21.1	S 2808	7/25		
Treasury \$ 17.960	\$ 18.501	HR 5120	7/9	7/24		\$ 18.501	S 2740	7/16		
VA/HUD \$ 92.518	\$ 90.9	-	10/9			\$ 91.434	S 2797	7/25		
Continuing Resolution H J Res 112 P.L. 107-244 (10/18/02)										

ATTACHMENT B NEW LEGISLATION OF INTEREST TO FEMP

HOUSE

Number		Short Title	Date	Sponsor	Status
H.R. 561-		Markets on Energy and Comm Fraud Prevention and Consumer Protection Act of 2002			Referred to the Committee on Energy and Commerce
	Key Provisions:	natura Provid marke Increa Natur Expan to ord purpo Requi transn Comn Amen and de Not la Accou	 Prohibits fraudulent, manipulative, or deceptive acts in electric and natural gas markets. Provides for audit trails and transparency in electric and natural gas markets. Increases penalties for illegal acts under the <i>Federal Power Act</i> and <i>Natural Gas Act</i>. Expands the authority of the Federal Energy Regulatory Commission to order refunds of unjust and discriminatory rates, and for other purposes. Requires each broker, dealer, and power marketer involved in any transmission or sale, to maintain and periodically submit to the Commission records of each transaction. Amends the <i>Federal Power Act</i> to require that the commission review and determine whether utility rates are just and reasonable. 		
H.R. 4694	4	Federal Emergency Procurement Flexibility Ac of 2002	May 9	Dan Burton (D/IN)	Referred to the Committee on Government Reform
	Key Provisions:	and for Requite to identify Federal	 Provides for flexibility in making emergency Federal procurements, and for other purposes. Requires the head of each executive agency to conduct market research to identify the capabilities of small businesses and new entrants into Federal contracting that may help in the defense against terrorism or nuclear, biological, chemical, or radiological attack. 		

SENATE

Number	Short Title	Date	Sponsor	Status
S. 3135	Clean Air Planning Act of 2002	October 17	Thomas Carper (D/DE)	Referred to the Committee on Environment and Public Works
Key Provisions:	Amair p Ence Ens man elec Prov and imp inve Ach cost Esta asid Ens sour elec mix Req the allo one Dep Prot revi Agr men	collutant resourages the courages the courages the courages the course operators roved manner operators roved manner operators roved manner operators roved manner operators ablishes a le for use course that a course operators roughly artment of the course operators of the course to reselectric general course of the course	egulatory program for the development and competition among petricity that will resulating industry. The iod of environmental of electric generating agement of existing a sision reductions from manner. The reserve of carboty new renewable envances to facilities the duce electricity and addition to another some independent review ator in certifying project in certifying project the board shall be computed by the Secretary of Energy, one member ency (to serve as chain one member to be appresent the Departrice present state governments).	ish a national uniform multiple the electric generating sector. use of renewable energy. participants in the competitive alt from fully restructuring the regulatory stability for owners facilities so as to promote assets and new capital electric generating facilities in a on dioxide allowances to be set

ATTACHMENT C HEARINGS SCHEDULE

HOUSE - APPROPRIATIONS

There are no hearings, mark ups or votes of interest to report.

HOUSE - AUTHORIZATIONS/OVERSIGHT

There are no hearings, mark ups or votes of interest to report.

SENATE - APPROPRIATIONS

There are no hearings, mark ups or votes of interest to report.

SENATE - AUTHORIZATIONS/OVERSIGHT

There are no hearings, mark ups or votes of interest to report.

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

There are no meetings or votes of interest to report.

ATTACHMENT F - NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact		
HVAC					
Premier® ES Heat Pump	WaterFurnace International Inc.	Operating efficiency up to 23.7 EER; heating efficiencies of up to 4.5 COP	www.waterfurnace.com		
OAM Purger	Redi Controls	Restores chiller to peak operating efficiency; reduces energy consumption	www.redicontrols.com/		
Series R, Model RTAC, Chillers	Trane	Energy efficient	www.trane.com/		
Humidity Control and Heat Recovery System	Des Champs	Employs energy-saving heat pipes or total energy recovery wheels	www.deschamps.com/		
eForce™ Commercial Gas Water Heaters	Bradford White Corporation	Super high-efficie ncy	www.bradfordwhite.com		
Smart Comfort™ IIS 90 Gas Furnace	Tempstar, International Comfort Products	Fully insulated cabinet provides thermal efficiency	www.tempstar.com		
HRE Heat Recovery Ventilator	Greenheck	Incorporates an energy recovery wheel	www.greenheck.com		
HM Series Duct Heating Sections	Heatco Inc.	Features controlled dimple tube for higher efficiency	www.heatcousa.com		
		Lighting			
Hallbrook [®] Extended Luminaires	Holophane	Creates a well-lit environment with lower wattage and fewer luminaries	www.holophane.com/us.asp		
Alto® Plus Slimline T-8 Eight-foot Fluorescent Lamp	Philips Lighting	30,000-hour rated life; lasts up to 60% longer than competition	www.philips.com		
Twin-Beam Lamp Design	Cooper Lighting	Energy efficient	www.cooperlighting.com		
Ignitron™ EN/ES Lamps	EYE Lighting International of North America	EN/ES lamps can save up to 40W per lamp compared to standard HPS lamps; energy savings can equal up to \$96 per lamp	www.eyelighting.com		
VAS	Insight	Two-tiered reflector system produces highly efficient illumination	www.ltgsys.com/newprod.htm		

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Technology	Manufacturer	Manufacturers Claim	Contact
eXtreme Seal Technology	Osram Sylvania	Allows lamps to withstand higher operating temperatures for more efficient fixtures	www.sylvania.com
ELC MR16 Halogen Lamp	Osram Sylvania	Average rated life of 700 hours, about 14 times longer than the standard ELC	www.sylvania.com
HSD [®] 150/70 Metal Halide Lamp	Osram Sylvania	Service life of 2000 hours; efficient	www.sylvania.com
PLANON® Fluorescent Lamp	Osram Sylvania	Service life of up to 100,000 hours	www.sylvania.com
DuraMax Incandescent Light B ulbs	Philips Lighting	Lasts at least one year	www.philips.com
Xitanium TM LED Sign Drivers (product-line extension)	Advance Transformer Company	High power factor minimizes total amperage, reducing the number of power feeds required; efficient	www.advancetransformer.com
SpecOne™ nLLK Series Fluorescent Luminaire	Cooper Crouse-Hinds®	Accepts energy-efficient and cost-effective standard T8 bi-pin lamps	www.crouse-hinds.com
Gamma Basique Lighting Range	Thorn Lighting	Energy saving	www.thornlighting.com/
LightBAT™ G2	Hubbell Building Automation, Inc.	Offers a HID dual level switching controller and sensor that combines occupancy sensing and brightness control	www.lightswitch.com/
		Energy Management Tools	
2002 RadiantWorks Heat Loss and Design Software	Watts Radiant	Design radiant floor heating and snowmelting systems and electric floor heating projects; creates heat output nomographs for each room or zone	www.radiant.com
ERCO Control Pad	ERCO Controls	Recalls light scenes, operates blind modules or darkening units, visualizes heating and air conditioning functions, and operates and alters displayed values	www.erco.com/
Photometric Toolbox32 Photometry Evaluation Program	Lighting Analysts, Inc.	Allows user to create, edit, repair and report luminaire photometric data	www.lightinganalysts.com/Products/Ptb32/ptb32.htm

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Technology	Manufacturer	Manufacturers Claim	Contact			
	MISCELLANEOUS					
AQUOS Liquid Crystal Television (new models)	Sharp Electronics Corporation	60,000-hour lamp life; 60% less power use than comparably sized cathode-ray tube direct-view televisions	www.sharp-usa.com			
Uninterruptible Power Supply (UPS)	Caterpillar	97% energy-efficiency	www.caterpillar.com/			
Reflective Night Covers	Econofrost	Saves energy	www.econofrost.com			
DemandMiser Demand Controller	EG Energy Controls	Achieves 15-30% savings on maximum demand charges; up to 64 loads can be controlled to achieve desired savings	www.egenergy.com/			
E-buy	General Services Administration	Allows Federal agencies to get bids from vendors through an online catalog for items in the GSA schedules program	www.gsaadvantage.gov			

ATTACHMENT G MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in blue. DOE-sponsored events are highlighted in red.

ATLANTA REGION

DATE	EVENT	Sponsor
November 19-	Federal Utility Partnership Working	Federal Energy
20, 2002	Group Tampa, Florida	Management Program
November 20-	2002 Business Energy Solutions	Association of Energy
21, 2002	Conference & Expo Orlando, FL	Engineers

BOSTON REGION

DATE	EVENT	SPONS OR
	No events of interest to FEMP.	

CHICAGO REGION

DATE	EVENT	Sponsor
Fall 2002	International Conference on the Future of Energy Transportation Technologies Detroit, MI	Department of Energy
November 7-8, 2002	Workshop on Renewable Energy Credits and Their Uses in Energy Markets and Emission Reduction Trading Chicago, IL	National Wind Coordinating Committee
November 12- 13, 2002	Global Forum on Personal Transportation Dearborn, MI	Department of Energy
November 13, 2002	Midwest Energy Infrastructure Chicago, IL	Federal Energy Regulatory Commission
November 18- 19, 2002	Ohio Wind Power Conference Plain City, OH	Green Energy Ohio

DENVER REGION

DATE	EVENT	Sponsor
November 4-6, 2002	Customer Connections Workshop Colorado Spring, CO	American Public Power Association Western Area Power Association

DATE	EVENT	Sponsor
November 13- 15, 2002	Seventh Annual Photovoltaic Experience Austin, TX	Solar Electric Power Association
November 13-15, 2002	Green Building International Conference and Exposition Austin, TX	U.S. Green Building Council
November 16-17, 2002	Green Building Tours and Workshops Austin, TX	U.S. Green Building Council
December 12-13, 2002	Energy Auditing 101: Identifying Cost Saving Opportunities in Plants and Buildings New Orleans, LA	Association of Energy Engineers

PHILADELPHIA REGION

Date	Event	Sponsor
November 18- 19, 2002	Industry Responses to the NOPR on Standard Market Design Arlington, VA	Center for Business Intelligence
December 5-6, 2002	Keys to Energy Management Bethesda, MD	Association of Energy Engineers

SEATTLE REGION

DATE	EVENT	Sponsor
November 7-8, 2002	Renewable Energy Oakland, CA	Center for Business Intelligence
November 10- 11, 2002	Fourth Annual International Symposium on Distributed Energy Resources San Diego, CA	California Alliance for Distributed Energy Resources United States Combined Heat and Power Association
November 18- 21, 2002	2002 Fuel Cell Seminar: Reliable, Clean Energy for the World Palm Springs, CA	Courtesy Associates